JAMECO®
ELECTRONIC COMPONENTS
COMPUTER PRODUCTS

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Part Number: 129533
Product Number: ADAM4050 (Digital I/O Module)

Digital Input:

Channels:	7 Logic Level 0 - +1V maximum Logic Level 1 - +3.5V ~ +30V Pull-up Current - 0.5mA, 10K ohm resistor to +5V

Digital Output:

Channels:	8 Open collector to 30V, 30mA maximum load Power dissipation - 300mW
Power Requirement:	+10 to +30V_{DC} (unregulated)
Power Consumption:	0.4W

*ADAM 4000 Series Common Specifications:

Communication

- RS-485 (2 wire) to host
- Speeds: 1200, 2400, 4800, 9600, 19200 bps
- Maximum communication distance: 4000 feet (1.2Km)
- Power and communication LED indicator
- ASCII command / response protocol
- Communication error checking with checksum
- Asynchronous data format: 1 start bit, 8 data bits, 1 stop bit, no parity
- Up to 256 multidrop modules per serial port
- On-line Module insertion and removal
- Transient suppression on RS-485 communication lines

Power Requirements

- Unregulated +10 to +30V_{DC}
- Protected against power reversal

Mechanical

- Case: ABS with captive mounting hardware
- Plug-in screw terminal block: accepts 0.5mm to 2.5mm 1 - #12 or 2 - #14 to #22 AWG

Environment

- Operating temperature: 14 to 158 degrees Fahrenheit (-10 to 70 degrees Celsius)
- EMI: Meets FCC class A
- Storage Temperature: -13 to 185 degrees Fahrenheit (-25 to 85 degrees Celsius)
- Humidity: 5 to 95%, non-condensing